

## RA SMA Male to RA 10-32 Male Cable RG316 Coax in 72 Inch

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		2	GHz
Velocity of Propagation		70		%
Capacitance		32 [104.99]		pF/ft [pF/m]

### Mechanical Specifications

#### Cable Assembly

Length*	72 in [182.88 cm]
Weight	0.085 lbs [38.56 g]

#### Cable

Cable Type	RG-316
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Tape
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP, Black
Jacket Diameter	0.098 in [2.49 mm]

### Connectors

Description	Connector 1	Connector 2
Type	SMA Male	10-32 Male
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Brass, Gold
Contact Plating Spec.	50μ in. minimum	MIL-G-45204
Dielectric Type	Teflon	Teflon
Body Material & Plating	Brass, Nickel	Brass, Nickel
Body Plating Spec.	100μ in. minimum	
Hex Size	5/16 inch	

#### Mechanical Specification Notes:

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8"$ , whichever is greater.

### Environmental Specifications

#### Temperature

Operating Range	-65 to +165 deg C
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### Compliance Certifications (see [product page](#) for current document)

### Plotted and Other Data

Notes:



### Configuration:

- SMA Male Right Angle
- 10-32 Male Right Angle
- RG-316

Fairview Microwave  
1130 Junction Dr. #100  
Allen, TX 75013  
Tel: 1-800-715-4396 / (972) 649-6678  
Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

## How to Order

Part Number Configuration:

**FMC0414316 - xx uu**

\_\_\_\_\_ cm = Centimeters  
 \_\_\_\_\_ <blank> = Inches  
 \_\_\_\_\_ Length

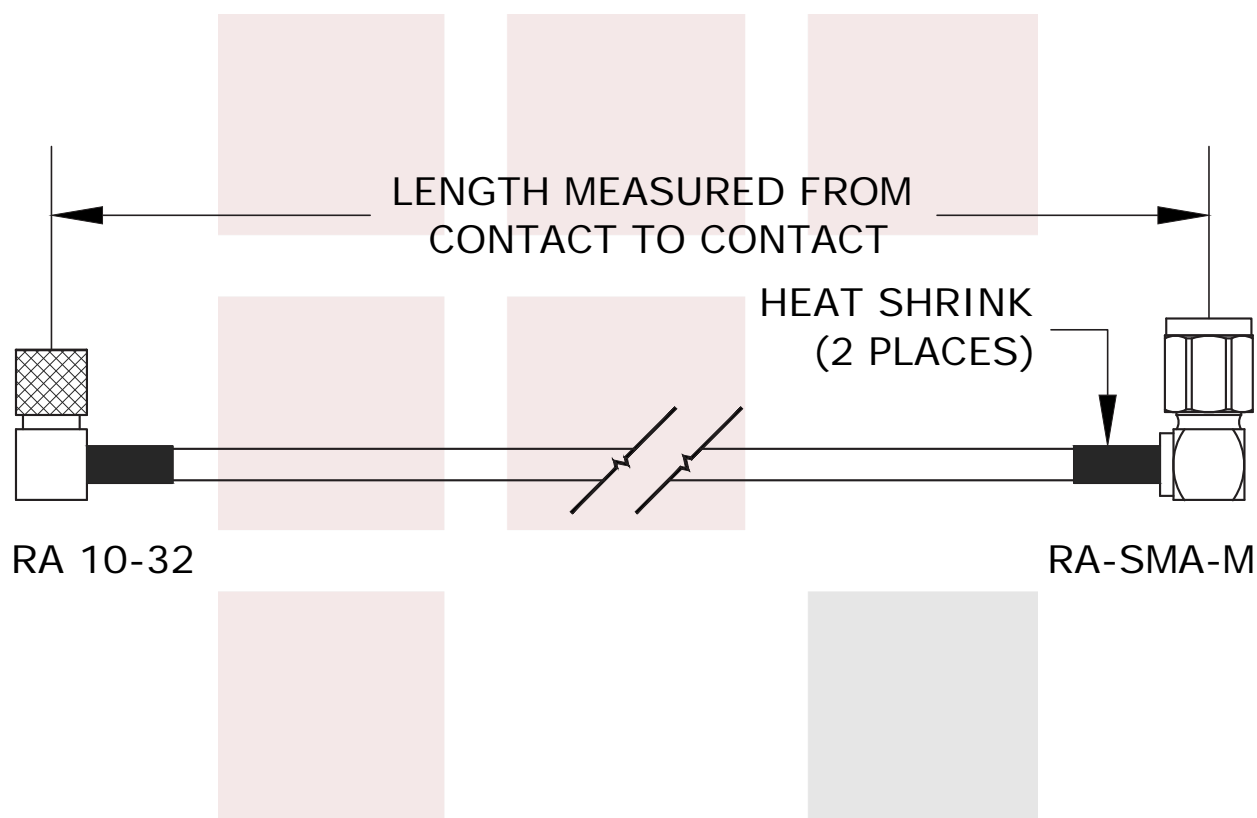
Example: FMC0414316-12 = 12 inches long cable  
 FMC0414316-100cm = 100 cm long cable

RA SMA Male to RA 10-32 Male Cable RG316 Coax in 72 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [RA SMA Male to RA 10-32 Male Cable RG316 Coax in 72 Inch FMC0414316-72](#)

URL: <https://www.fairviewmicrowave.com/ra-sma-male-ra-10-32-male-cable-m17-113-rg316-coax-fmc0414316-72-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



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TITLE RA SMA Male to RA 10-32 Male Cable RG316 Coax in 72 Inch		DWG NO FMC0414316-XX		CAGE CODE 3FKR5	
CAD FILE	102114	SHEET	SCALE	N/A	SIZE A 5568